

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/14950

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ A61B5/0245

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ A61B5/0245

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003
Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<u>JP 7-116136 A</u> (Colin Corp.),	1-3
Y	09 May, 1995 (09.05.95),	4-7, 10, 13, 16
A	Full text; all drawings & JP 3342129 B2 & EP 649629 A2 & <u>US 5467771 A</u>	8, 9, 11, 12, 14, 15, 17-29
Y	<u>JP 4-67839 A</u> (Colin Electronics Co., Ltd.),	4-6, 13, 16
	03 March, 1992 (03.03.92),	
	Full text; all drawings & JP 2863281 B2 & JP 4-67840 A & JP 3064354 B2 & <u>US 5179956 A</u>	
Y	<u>JP 8-103419 A</u> (Seiko Instruments Inc.),	7, 10
	23 April, 1996 (23.04.96),	
	Full text; all drawings (Family: none)	

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not
 considered to be of particular relevance
 "E" earlier document but published on or after the international filing
 date
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 priority date and not in conflict with the application but cited to
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 "X" document of particular relevance; the claimed invention cannot be
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Date of the actual completion of the international search
23 January, 2004 (23.01.04)Date of mailing of the international search report
10 February, 2004 (10.02.04)Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<u>US 5176143 A</u> (Joseph S.Eckerle et al.), 05 January, 1993 (05.01.93), Fig. 6 (Family: none)	1-29